

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1.-9. (Cancelled)

Claim 10. (New) Apparatus for producing a hollow or shell using a hydroforming (HF) tool having at least one die which is configured to accommodate a component that is to be formed into a hollow or shell section, and at least one plunger which can be placed against the die in a longitudinal direction of the hollow or shell section and seals off the die; wherein:

at least two radially displaceable notching punches are integrated in the HF tool, for forming notches spaced apart in the peripheral direction of the hollow or shell section;

the apparatus further comprises i) a parting device, which is separate from the notching punches, for severing the hollow or shell between the lateral notch margins running in the component longitudinal direction, while forming an extension section, and ii) a bending device for bending over the extension section outside the HF tool to form a flange section of the hollow or shell section.

Claim 11. (New) The device as claimed in Claim 10, further comprising a cutting device which is separate from the notching punches, for forming an initial cut in the hollow or shell section along a terminating edge of the extension section and which is arranged inside the HF tool and directly adjoins the notching punches in the peripheral direction of the tool cavity, wherein the parting device severing the hollow or shell section along the initial cut is arranged outside the HF tool.

Claim 12. (New) The device as claimed in Claim 10, further comprising a cutting device which is separate from the notching punches, for cutting through the hollow or shell section along a terminating edge of the extension section except for a thin, axial web adjoining the notch margins, and which is arranged inside the HF tool and adjoins the notching punches at a slight distance apart in the peripheral direction of the tool cavity, wherein the parting device, which severs the hollow or shell section at the location of the web, is arranged outside the HF tool.

Claim 13. (New) The device as claimed in Claim 10, wherein the parting device cuts through the hollow or shell section along a terminating edge of the extension section, and is arranged inside the HF tool directly adjoining the notching punches in the peripheral direction of the tool cavity, but axially offset from the notching punches in their engagement region.

Claim 14. (New) The device as claimed in Claim 13, wherein the parting device is formed by cutting punches.

Claim 15. (New) A method of producing a hollow or shell section by hydroforming, said method comprising:

applying internal high pressure to a component for forming a hollow or shell section in an HF tool; and

trimming the component, which remains in the HF tool, at its periphery during or at the end of the hydroforming, at an axial distance from the component end, forming at least one extension section running in a longitudinal direction of the hollow or shell section; wherein,

the hollow or shell section is trimmed by radially displaceable notching punches, integrated in the HF tool in such a way that notches spaced apart in the peripheral direction are formed;

the hollow or shell section is severed by means of a parting device, separate from the notching punches, between lateral notch margins running in the longitudinal direction, with the extension section being formed; and

the extension section is then bent over outside the HF tool, forming a flange of the hollow or shell section.

Claim 16. (New) The method as claimed in Claim 15, wherein:

an initial cut is formed in the hollow or shell section by a cutting device, separate from the notching punches, inside the HF tool along a terminating edge of the extension section; and

the hollow or shell section is severed outside the HF tool along the initial cut, by the parting device.

Claim 17. (New) The method as claimed in claim 15, wherein:

the hollow or shell section is cut through by means of a cutting device, separate from the notching punches, inside the HF tool along a terminating edge of the extension section, except for a thin, axial web adjoining notch margins; and

the respective web is severed by the parting device outside the HF tool.

Claim 18. (New) The method as claimed in Claim 15, wherein the hollow or shell section is cut through inside the HF tool by the parting device along the terminating edge of the extension section.